Appendix G
Asbestos & Lead Based Paint Assessment

ENVIRONMENTAL SERVICES, LLC

ASBESTOS INSPECTION REPORT

FOR

SOUTHERNMOST
WASTE TO ENERGY PLANT COMPLEX
5701 COLLEGE ROAD
KEY WEST, FLORIDA 33040

Prepared for

CH_2M HILL
6410 5TH STREET, SUITE 2A
KEY WEST, FLORIDA 33040

ATTENTION: MR. ANDREW SMYTH

Prepared by

EE&G Environmental Services, LLC
5751 Miami Lakes Drive
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March 16, 2011
EE&G Project No. 2010-2498

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SECTION 1.0

INTRODUCTION

An asbestos inspection was conducted at Southernmost Waste to Energy Plant Complex located at 5701 College Road, Key West, Florida. The inspection was conducted on February 24, 2011 by AHERA-certified inspector Hiram Aguiar of EE&G Environmental Services, LLC (EE&G).

The purpose of this asbestos inspection was to identify the presence, extent, and condition of asbestos-containing materials (ACM) in the surveyed areas of this facility. The areas surveyed during this inspection include approximately 8 structures; Resource Recovery Building, Solid Waste Tipping Area, Storage Shed, Raised Cooling Tower structure, Fire Equipment Shed, Electrical building, Scale House, and Ash Transfer Building. The incinerator was not observed on the property at the time of this inspection. All observed suspect materials were either sampled to determine asbestos content or assumed to contain asbestos.

Terms used in this report are defined in the General Terms section located in Appendix A. Additional information on the classification of ACM for National Emissions Standards for Hazardous Air Pollutants (NESHAP) is also located in Appendix A. These NESHAP categories are helpful in determining the need for asbestos abatement and must be used in the NESHAP notification of intent to renovate or demolish.

SECTION 2.0

BUILDING DESCRIPTION

The Resource Recovery Building, Solid Waste Tipping Area, and Ash Transfer Building were observed to be constructed primarily of concrete and steel. The Solid Waste Tipping Area also housed two cranes and a control room which could not be safely accessed.

Raised Cooling Tower structure was observed to be steel structure. The electrical building was a concrete structure supported on concrete slab.

The Storage Shed, Fire Equipment Shed, and Scale House were observed to be of modular construction. The storage shed had an unpainted metal exterior and was not accessed during this inspection. Two other modular buildings were located in the southern part of the Resource Recovery Building, and a third was observed in the east side of the Solid Waste Tipping Area.

See Appendix C for a copy of site diagram provide by the client.

SECTION 3.0

METHODS AND LIMITATIONS

3.1 ASBESTOS SURVEY METHODS

The renovation areas were inspected for suspect ACM, unless otherwise noted. Each observed suspect material was assigned a homogenous area number, described, and measured. Each observed suspect material was either sampled or assumed to be asbestos-containing. Samples of suspect ACM were collected using procedures established by the United States (US) Environmental Protection Agency (EPA) Code of Federal Regulations (CFR) Title 40 Part 763 Subpart E, Asbestos-Containing Materials in Schools.

3.2 LABORATORY ANALYSIS METHODS

Samples were sent to American Asbestos Laboratories, Inc. in Tampa, Florida for analysis. Upon arrival at the laboratory, the samples were logged-in and stored for analysis. Analyses were performed using the polarized light microscopy (PLM) method of asbestos detection using guidelines and procedures established in the Method for the Determination of Asbestos in Bulk Building Materials (EPA-600/R-93-116 July, 1993).

3.3 LIMITATIONS

This asbestos inspection report has been prepared by EE&G in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranty, expressed or implied is made. The intent of this survey report is to assist the owner or client in locating ACM. Under no circumstances is this survey to be utilized as a proposal or a project specification document without the expressed written consent of EE&G.

The survey was conducted to identify suspect ACM in accessible areas of the approximately 8 structures; Resource Recovery Building, Solid Waste Tipping Area, Storage Shed, Raised Cooling Tower structure, Fire Equipment Shed, Electrical building, Scale House, and Ash Transfer Building. If other areas at this location are to be impacted during planned or future renovations, a separate asbestos survey of these areas will be required. Some ACM may not have been discovered due to inaccessibility or missing/incomplete plans. Any suspect materials discovered subsequent to the issue of this survey report should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.

Analyses were carried out by PLM. While the most commonly accepted analytical method for detecting asbestos in bulk materials, PLM is known to have limited resolution and may not detect extremely small asbestos fibers. Certain materials, notably vinyl floor tiles, may contain extremely fine asbestos fibers that are beyond the resolution of PLM.

EE&G's interpretations and recommendations are based upon the results of sample collection and analyses in compliance with environmental regulations, quality control and assurance standards, and the scope of work as indicated in EE&G's proposal. The results, conclusions,

and recommendations contained in this report pertain to conditions observed at the time of the survey. Other conditions elsewhere in the subject building(s) may differ from those in the inspected/surveyed locations and, such conditions are unknown, may change over time, and have not been considered.

This report was prepared solely for the use of EE&G's client, and is not intended for use by third party beneficiaries. The client shall indemnify and hold EE&G harmless against any liability for any loss arising out of or relating to reliance by any third party on any work performed thereunder, or the contents of this report. EE&G will not be held responsible for the interpretation or use by others of data developed pursuant to the compilation of this report, or for use of segregated portions of this report.

SECTION 4.0

SURVEY RESULTS

4.1 ASBESTOS ANALYSIS RESULTS

The results of the PLM analyses and assessment of suspect ACM are summarized in Table 1. The original laboratory report is attached as Appendix B.

4.1.1 Asbestos-containing materials

Asbestos was not identified in amounts greater than 1 percent in the sampled materials.

4.1.2 Nonasbestos-containing materials

Asbestos was not detected or was found in amounts less than or equal to 1 percent in all the material sampled during this inspection.

Refer to Table 1 for the description and location of these materials.

4.2 ADDITIONAL OBSERVATIONS

In addition to the results presented in Section 4.1, EE&G observed the following:

- No suspect fireproofing was observed.

TABLE 1. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST, FLORIDA

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
01	Grey exterior stucco	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
02	White 2'x4' dot groove pattern CT	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
03	White 2'x4' dot furrow pattern CT	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
04	Blue 12"x12" VFT with yellow glue	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
05	White skim-coat wall finish	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
06	Blue base-boar with glue	Resource Recovery Bldg.	NA	NAD	NA	NA	NA

NA = Not Applicable
NAD = No Asbestos Detected
VFT = Vinyl Floor Tile
C = Chrysotile Asbestos
SF = Square Feet
LF = Linear Feet
TSI = Thermal System Insulation
CT = Ceiling Tile

All quantities are approximate.

TABLE 1 CONTINUED. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
07	White roll of insulation	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
08	White HVAC duct mastic	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
09	Black roof felt on roof of built-in offices	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
10	Foil pipe wrap over white insulation	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
11	White emergency generator exhaust pipe insulation	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
12	White pipe insulation debris	Resource Recovery Bldg.	NA	NAD	NA	NA	NA

NA = Not Applicable
NAD = No Asbestos Detected
VFT = Vinyl Floor Tile
C = Chrysotile Asbestos
SF = Square Feet
LF = Linear Feet
TSI = Thermal System Insulation
CT = Ceiling Tile

All quantities are approximate.

TABLE 1 CONTINUED. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
13	Red gasket from release valves	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
14	Black gasket from release valves	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
15	White pipe mastic	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
16	Black roof edge flashing	Incinerator building	NA	NAD	NA	NA	NA
17	Grey interior seam caulking	Incinerator building	NA	NAD	NA	NA	NA
18	White 12'x12" VFT with glue	Resource Recovery Bldg. - Modular	NA	NAD	NA	NA	NA

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NAD = No Asbestos Detected
VFT = Vinyl Floor Tile
C = Chrysotile Asbestos
SF = Square Feet
LF = Linear Feet
TSI = Thermal System Insulation
CT = Ceiling Tile

All quantities are approximate.

TABLE 1 CONTINUED. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
19	White ceiling textured finish	Resource Recovery Bldg. - Modular	NA	NAD	NA	NA	NA
20	Grey window caulking	Resource Recovery Bldg. - Modular	NA	NAD	NA	NA	NA
21	Foil over yellow pipe insulation	Cooling Tower Bldg.	NA	NAD	NA	NA	NA
22	Black gasket	Cooling Tower Bldg.	NA	NAD	NA	NA	NA
23	Black Roof membrane	Electrical building	NA	NAD	NA	NA	NA
24	Grey exterior stucco	Electrical building	NA	NAD	NA	NA	NA

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LF = Linear Feet
TSI = Thermal System Insulation
CT = Ceiling Tile

All quantities are approximate.

TABLE 1 CONTINUED. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
25	Concrete slab	Tipping Area	NA	NAD	NA	NA	NA
26	Concrete wall	Tipping Area	NA	NAD	NA	NA	NA
27	Concrete slab	Scale House	NA	NAD	NA	NA	NA
28	White exterior caulking	Scale House	NA	NAD	NA	NA	NA
29	Black metal roof sealant	Scale House	NA	NAD	NA	NA	NA
30	White popcorn ceiling	Scale House	NA	NAD	NA	NA	NA

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NAD = No Asbestos Detected
VFT = Vinyl Floor Tile
C = Chrysotile Asbestos
SF = Square Feet
LF = Linear Feet
TSI = Thermal System Insulation
CT = Ceiling Tile

All quantities are approximate.

TABLE 1 CONTINUED. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
31	White linoleum	Scale House	NA	NAD	NA	NA	NA
32	Grey window caulking	Scale House	NA	NAD	NA	NA	NA
33	Concrete slab	Scale House	NA	NAD	NA	NA	NA
34	White interior caulking	Scale House	NA	NAD	NA	NA	NA
35	Blue 12”x12” VFT with glue	Scale House	NA	NAD	NA	NA	NA
36	Concrete wall	Scale House	NA	NAD	NA	NA	NA

NA = Not Applicable
NAD = No Asbestos Detected
VFT = Vinyl Floor Tile
C = Chrysotile Asbestos
SF = Square Feet
LF = Linear Feet
TSI = Thermal System Insulation
CT = Ceiling Tile

All quantities are approximate.

TABLE 1 CONTINUED. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
37	Concrete wall	Ash Transfer Plant	NA	NAD	NA	NA	NA
38	Concrete slab	Ash Transfer Plant	NA	NAD	NA	NA	NA
39	White HVAC duct mastic	Ash Transfer Plant	NA	NAD	NA	NA	NA
40	Concrete slab	Ash Transfer Plant	NA	NAD	NA	NA	NA
41	Concrete slab	Electrical Building	NA	NAD	NA	NA	NA
42	Concrete slab	Miscellaneous Building	NA	NAD	NA	NA	NA
43	Concrete slab	Resource Recovery Bldg.	NA	NAD	NA	NA	NA

NA = Not Applicable
NAD = No Asbestos Detected
VFT = Vinyl Floor Tile
C = Chrysotile Asbestos
SF = Square Feet
LF = Linear Feet
TSI = Thermal System Insulation
CT = Ceiling Tile

All quantities are approximate.

SECTION 5.0

RECOMMENDATIONS

5.1 RECOMMENDATIONS FOR REGULATED ACM (RACM)

None of the surveyed materials were identified as RACM.

5.2 RECOMMENDATIONS FOR CATEGORY I NONFRIABLE ACM

None of the surveyed materials were identified as Category I Nonfriable ACM.

5.3 RECOMMENDATIONS FOR CATEGORY II NONFRIABLE ACM

None of the surveyed materials were identified as Category II Nonfriable ACM.

5.4 GENERAL RECOMMENDATIONS

- If other specific areas at this location are to be impacted during planned renovations or demolition, an asbestos survey of these areas will be required.
- Suspect materials discovered after this inspection should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.
- Prior to demolition activities, the property should be inspected for all potentially hazardous materials. The identified materials should be removed from the property, and properly disposed of in accordance with federal, state, and local regulations.
- This report should be updated if demolition of buildings covered in this survey does not take place within six months of the date of this survey, i.e. by September 2011.

5.5 SPECIFIC RECOMMENDATIONS

Based on the results of this demolition survey, EE&G has the following specific recommendations:

- Demolition activities shall be conducted in accordance with 40 CFR 61 (NESHAP). It is recommended that contractor personnel receive a copy the EPA guidance document on demolition practices under NESHAP.
- EE&G recommends a walk-through of the property with the owner/owner's representative and the demolition contractor prior to commencement of demolition activities. The demolition contractor should be provided the Pre-Demolition Survey Report, and should inspect the property for unidentified ACM. Any unidentified suspect ACM should be sampled and analyzed prior to the start of demolition activities.

- The Florida Department of Environmental Protection (FDEP) requires notification of intent to demolish, regardless of whether ACM is present. Notification must be sent at least 10 working days prior to the start of any construction activities. The general contractor should also keep a copy of this survey at the construction site during the entire construction project as proof of compliance with 40 CFR 61 (NESHAP).

SECTION 6.0

SIGNATURE PAGE

Submitted by

Hiram Aguiar
Senior Project Professional, EE&G

Reviewed by

Daniel J. Cottrell, Ph.D., P.G.
Senior Technical Advisor, EE&G
Asbestos Consultant #DD0000010

APPENDIX A

GENERAL TERMS:

TYPES OF ASBESTOS-CONTAINING MATERIALS
TYPES OF ASBESTOS-CONTAINING ROOFING MATERIALS
NESHAP CATEGORIES FOR ACM

TYPES OF ASBESTOS-CONTAINING MATERIALS

Asbestos-Containing Material (ACM)

Asbestos-containing materials, as defined by National Emission Standards for Hazardous Air Pollutants (NESHAP), are materials that have an asbestos content of greater than 1 percent.

Friable Material

Material that can be crumbled or reduced to a powder using normal hand pressure. Nonfriable material is too hard to be crumbled or reduced to a powder without the use of tools. Nonfriable materials may become friable if abraded or broken.

Suspect Materials

There are three broad classes that define suspect, asbestos-containing materials. These are: 1) surfacing material, 2) thermal system insulation, and 3) miscellaneous material. All materials that fit the description of these materials (as described below) are suspected to contain asbestos, until sampled and analyzed.

- Surfacing Material - Materials applied by spray or trowel are classified as surfacing materials. Asbestos was used in a variety of surfacing materials for fireproofing, acoustic dampening, condensation control, and decorative purposes. Surfacing materials that contain asbestos usually occur as fireproofing on steel-frame members, textured ceilings, or acoustic plaster ceilings.

- Thermal System Insulation (TSI) Material - Chill water, hot water, and steam-generating mechanical systems are frequently insulated with materials that contain asbestos. Pipes may be insulated with a nonasbestos-containing material, but have mastic or plastered joints that contain asbestos. Insulation materials that contain asbestos are generally found in boiler rooms and chiller rooms, in pipe chases in walls, in pipe runs above suspended ceilings, or in crawl spaces under buildings. Insulation covered with an undamaged jacket or wrap is classified as nonfriable. Adhesives used to hold insulation in place or provide an airtight seal are also nonfriable materials. Most other types of thermal insulation are friable.

- Miscellaneous Material - Miscellaneous building materials are materials that are used for finishing of interior spaces, or adhesive materials applied to building materials and roofs. These materials have been manufactured with asbestos for strength enhancement, fire retardation, condensation control, acoustical dampening, or corrosion resistance. The most common type of friable miscellaneous material is ceiling tile. Most other miscellaneous materials are nonfriable materials such as vinyl floor tile, adhesives, and cementitious panels (Transite™).

TYPES OF ASBESTOS-CONTAINING ROOFING MATERIALS (ACRM)

Field Membrane

This area is usually the predominant part of any roof deck and is comprised of all nonflashed areas and is applied directly to the roof substrate over an intermediate insulating layer. It usually consists of alternating layers of rolled-out felts and hot tar, topped with more hot tar to waterseal, and gravel. The asbestos, if found, is in one or more of the layers of tar or may be in the felts themselves.

Edge Flashing

This component consists of a cold bull/pitch applied to the substrate around the perimeter of a flat roof deck. An additional 8" - 12" of felt is applied to the bull/pitch to seal the edge of the roof substrate before a 4" - 6" piece of metal drip guard is placed over these materials to counterflash and protect against wind and rain. The field membrane felts are then blended in with the inner edge to conform with the rest of the roof. The asbestos, if found, is in the layers of bull/pitch, tar, or may be in the flashing felts themselves.

Wall Base/Parapet Flashing

This component consists of a cold bull/pitch applied to the roof substrate, adjoining wall base, fan/vent, scupper trough, hatch, chimney, or raised parapet wall. An additional 12" - 48" of felt (often painted silver) is applied to the bull/pitch to seal the edges of the roof substrate, wall(s), or the side or top of the concrete parapet wall. The field membrane felts are then blended in with the inner edge to conform with the rest of the roof. The asbestos, if found, is in the layers of bull/pitch, tar, or may be in the flashing felts themselves.

Roof Fixture Flashing

This component consists of a cold bull/pitch applied to the roof substrate around any of the following fixtures: roof drain, vent-thru-roof stack (VTR), pitch pan, gooseneck vents, mechanical equipment supports, or any other roof penetration. An additional sheet of metal counterflashing (extending 4" - 24" from the center) is applied to the bull/pitch to seal the edges to the roof substrate. The field membrane felts are placed over up to the fixture sides to conform with the rest of the roof. The asbestos, if found, is in the layers of bull/pitch, tar, or may be in the flashing felts themselves.

NESHAP CATEGORIES FOR ACM

Regulated ACM (RACM)

All ACM that is friable or likely to become friable during renovation or demolition activities is considered to be RACM. These materials must be removed from buildings prior to renovation or demolition activities that will disturb them.

Category I Nonfriable ACM

Resilient flooring, such as vinyl floor tile and rolled vinyl sheeting, valve packings and gaskets, and asphalt (bituminous) roofing materials are all classified as Category I Nonfriable materials. If these materials are in good condition, they are not likely to become friable during demolition, and therefore, may remain in place for demolition. However, these materials must be removed prior to renovations if the renovation involves alteration that would render them friable.

Category II Nonfriable ACM

Category II materials are all other nonfriable materials that are not classified as Category I. Asbestos cement products and plaster are the most common types of Category II materials. Most Category II materials are likely to become friable during demolition, and therefore, must be removed prior to demolition. These materials must be removed prior to renovations if the renovation involves alteration that would render them friable.

APPENDIX B

LABORATORY ANALYSIS REPORT
PLM RESULTS

AAL
American Asbestos Laboratories

March 9, 2011 11:25

REPORT

SENT TO:
CH2M HILL
6410 5TH STREET, SUITE 2A
KEY WEST, FL 33040
ANDREW H. SMYTH
305-294-1645/FAX:305-294-4913

Thank you for your business.

PREPARED BY:
AAL
Asbestos Department
5005 WEST LAUREL STREET
SUITE 110
TAMPA, FL 33607
NVLAP Code 101775
(813) 287-1005

Analysis: Polarized Light Microscopy (PLM) with dispersion staining techniques according to the United States (US) Environmental Protection Agency (EPA) "Method for the Determination of Asbestos in Bulk Building Materials," EPA/600/R-93-116, July, 1993.

Sample Type	: BULK	Date in	: March 1, 2009
#Of Samples	: 26	Date out	: March 9, 2011
		Collected by	: H.A.A.
		Delivery by	: FEDEX
Work Order#	: M103146	Received by	: KIA
EE&G Project#	: 2010_2498		
Project	: KEY WEST WASTE STATION		

Analyzed By:

Khandaker I. Anam

Authorized Signature

QC ACCEPTABLE
MAR - 9 2011

Due to the small size of asbestos fibers associated with vinyl floor tiles, TEM analysis is recommended for all floor ti containing <1% or no detectable asbestos by visual estimation.

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This report shall not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports displaying NVLAP logo must have at least one signature to be valid.

The following analytical results presented in this report pertain only to the samples analyzed. American Asbestos Laboratories assumes no responsibility for whether the samples accurately represent the material in question.

LABORATORY BULK SAMPLE ANALYSIS REPORT

CLIENT : CH2M HILL
PROJECT : KEY WEST WASTE STATION

Samples were analyzed in accordance with the Interim Method as described in 40 CFR, Part 763, Vol. 52, No. 210

WORK ORDER NUMBER: M103146

ID#	ANA	DESCRIPTION	LOCATION	SAMPLE NUMBER	PERCENT ASBESTOS FIBERS CHRY	AMOS	CROC	TREM	ANTH	OTHER	%NON-ASB FIBERS
01A	KIA	GREY EXTERIOR STUCCO	RESOURCE REC.BLD	022411HA01	NO ASBESTOS DETECTED						1-2
01B	KIA	GREY EXTERIOR STUCCO	RESOURCE REC.BLD	022411HA02	NO ASBESTOS DETECTED						1-2
01C	KIA	GREY EXTERIOR STUCCO	RESOURCE REC.BLD	022411HA03	NO ASBESTOS DETECTED						1-2
02A	KIA	WHITE 2'X4' DOT GROOVE CT	RESOURCE REC.BLD	022411HA04	NO ASBESTOS DETECTED						60-70
03A	KIA	WHITE 2'X4' DOT FURROW CT	RESOURCE REC.BLD	022411HA05	NO ASBESTOS DETECTED						60-70
04A	KIA	BLUE 12"X12" VFT & GLUE	RESOURCE REC.BLD	022411HA06	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
04B	KIA	BLUE 12"X12" VFT & GLUE	RESOURCE REC.BLD	022411HA07	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
05A	KIA	BEIGE VFT & YELLOW GLUE	RESOURCE REC.BLD	022411HA06A	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
05B	KIA	BEIGE VFT & YELLOW GLUE	RESOURCE REC.BLD	022411HA07A	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
06A	KIA	GREY VFT & YELLOW GLUE	RESOURCE REC.BLD	022411HA06B	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						

Report Continued on Next Page

CLIENT : CH2M HILL
PROJECT : KEY WEST WASTE STATION

LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

WORK ORDER NUMBER: M103146

ID#	ANA	DESCRIPTION	LOCATION	SAMPLE NUMBER	PERCENT ASBESTOS FIBERS CHRY	AMOS	CROC	TREM	ANTH	OTHER	%NON-ASB FIBERS
06B	KIA	GREY VFT & YELLOW GLUE	RESOURCE REC.BLD	022411HA07B	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
07A	KIA	WHITE SKIMCOAT WALL FINISH	RESOURCE REC.BLD	022411HA08	NO ASBESTOS DETECTED						1-2
07B	KIA	WHITE SKIMCOAT WALL FINISH	RESOURCE REC.BLD	022411HA09	NO ASBESTOS DETECTED						1-2
08A	KIA	BLUE BASEBOARD	RESOURCE REC.BLD	022411HA10	NO ASBESTOS DETECTED						1-2
09A	KIA	BLUE 12"X12" VFT & GLUE	RESOURCE REC.BLD	022411HA11	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
10A	KIA	BEIGE VFT & YELLOW GLUE	RESOURCE REC.BLD	022411HA11A	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
11A	KIA	GREY VFT & YELLOW GLUE	RESOURCE REC.BLD	022411HA11B	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
12A	KIA	WHITE ROLL OF INSULATION	RESOURCE REC.BLD	022411HA12	NO ASBESTOS DETECTED						90-95
13A	KIA	WHITE HVAC DUCT MASTIC	RESOURCE REC.BLD	022411HA13	NO ASBESTOS DETECTED						1-2
14A	KIA	BLACK ROOF FELT	RESOURCE REC.BLD	022411HA14	NO ASBESTOS DETECTED						15-20
15A	KIA	WHITE FOIL OVER PIPE INS.	RESOURCE REC.BLD	022411HA15	NO ASBESTOS DETECTED						5-10
16A	KIA	WH EMERG. GEN. WRAP & INS.	RESOURCE REC.BLD	022411HA16	NO ASBESTOS DETECTED						15-25
16B	KIA	WH EMERG. GEN. WRAP & INS.	RESOURCE REC.BLD	022411HA17	NO ASBESTOS DETECTED						15-25

Report Continued on Next Page

CLIENT : CH2M HILL
PROJECT : KEY WEST WASTE STATION

LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

WORK ORDER NUMBER: M103146

ID#	ANA	DESCRIPTION	LOCATION	SAMPLE NUMBER	PERCENT ASBESTOS FIBERS CHRY	AMOS	CROC	TREM	ANTH	OTHER	%NON-ASB FIBERS
17A	KIA	WHITE INSULATION DEBRIS	RESOURCE REC.BLD	022411HA18	NO ASBESTOS DETECTED						5-10
18A	KIA	WHITE A/C MASTIC	RESOURCE REC.BLD	022411HA19	NO ASBESTOS DETECTED						1-2
19A	KIA	RED GASKET	RESOURCE REC.BLD	022411HA20	NO ASBESTOS DETECTED						1-2

QC ACCEPTABLE
MAR - 9 2011

Analytical results pertain only to the sample(s) analyzed.

Quality Control Officer

ABBREVIATIONS: ANA = Analyst; ASB = Asbestos; CHRY = Chrysotile; AMOS = Amosite; CROC = Crocidolite; TERM = Term/Act; ANTH = Anthophylite; ACT = Actinolite; AL = Aluminum; ANTH = Anthophylite; BLK = Black; BACK = Backing; BL = Blue; BRN = Brown; C = Cellulose; CALC = Calcareous; CPT = Carpet; CTL = Ceiling tile; CEM = Cement; COV = Cover; DEB = Debris; FG = Fiberglass; FIB = Fibrous, fibers; MAS = Mastic; MAT = Material; MIC = Micaceous; MW = Mineral wool; ORG = Orange; PAI = Paint; PAP = Paper; PL = Plaster; PLAS = Plastic; PWDR = Powder; RCF = Refractory ceramic fiber; RUB = Rubber; SIL = Silver; SR = Sheet rock; SUB = Substance; S = Synthetic; TEXT = Textured; TR = Trace; TRAN = Transite; TREM = Tremolite; VERM = Vermiculite; VYL = Vinyl; W = Wollastonite; WH = White; YEL = Yellow.

JACAILBP

M103146

EE&G

EE&G Environmental Services, LLC
5751 Miami Lakes, Drive
Miami Lakes, Florida 33014

BULK TRANSMITTAL FORM
CHAIN OF CUSTODY

CLIENT: CH2M Hill
PROJECT: KW Waste Station
CLIENT CONTACT: A. Smyth
PROJECT NUMBER: 2010-2498
DATE COLLECTED: 2-24-11
BILL GROUP/PHASE: CH2M Hill
DATE SENT: "
DATE VERBAL NEEDED: 3-4-11
STOP AT FIRST POSITIVE: (Y) N (circle one)
DATE WRITTEN NEEDED: "

SAMPLE PREFIX _____

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
1. 022411 HA01	Gray	Ext. Stucco	Resource Recovery Bldg
2. 02	↓	↓	↓
3. 03	↓	↓	↓
4. 04	White	2x4' dot groove ct.	↓
5. 05	↓	↓ ↓ Furrow ct.	↓
6. 06	Blue	12" VFT + glue + layer	↓
7. 07	↓	↓	↓
8. 08	White	Skimcoat wall finish	↓
9. 09	↓	↓	↓
10. 10	Blue	Base board	↓
11. 11	↓	12" VFT (same as #6)	↓
12. 12	White	Roll of insulation	↓
13. 13	↓	HVAC Duct mastic	↓
14. 14	Black	Roof felt	↓
15. 15	White	Foil over fire insul.	↓
16. 16	↓	Emerg. Gen. Wrap & insul.	↓
17. 17	↓	↓	↓
18. 18	↓	Insul debris (#15)	↓
19. 19	↓	White mastic A/C	↓
20. 20	Red	Gasket	↓

CHAIN OF CUSTODY:

DATE/TIME	PRINT NAME/SIGNATURE	PURPOSE
2-24-11	H. Aguirre	C T A
		C T A
		C T A

C= Collection T= Transportation A= Analysis

RECEIVED MAR - 1 2011

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AAL
American Asbestos Laboratories

March 9, 2011 16:02

REPORT

SENT TO:
CH2M HILL
6410 5TH STREET, SUITE 2A
KEY WEST, FL 33040
ANDREW H. SMYTH
305-294-1645/FAX:305-294-4913

Thank you for your business.

PREPARED BY:
AAL
Asbestos Department
5005 WEST LAUREL STREET
SUITE 110
TAMPA, FL 33607
NVLAP Code 101775
(813) 287-1005

Analysis: Polarized Light Microscopy (PLM) with dispersion staining techniques according to the United States (US) Environmental Protection Agency (EPA) "Method for the Determination of Asbestos in Bulk Building Materials," EPA/600/R-93-116, July, 1993.

Sample Type	: BULK	Date in	: March 1, 2011
#Of Samples	: 43	Date out	: March 9, 2011
		Collected by	: H.A.A.
		Delivery by	: FEDEX
Work Order#	: M103148	Received by	: KIA
EE&G Project#	: 2010_2498		
Project	: KEY WEST WASTE STATION		

Analyzed By:

Khandaker I. Anam

Authorized Signature

QC ACCEPTABLE
MAR - 9 2011

Due to the small size of asbestos fibers associated with vinyl floor tiles, TEM analysis is recommended for all floor ti containing <1% or no detectable asbestos by visual estimation.

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This report shall not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports displaying NVLAP logo must have at least one signature to be valid.

The following analytical results presented in this report pertain only to the samples analyzed. American Asbestos Laboratories assumes no responsibility for whether the samples accurately represent the material in question.

LABORATORY BULK SAMPLE ANALYSIS REPORT

CLIENT : CH2M HILL
PROJECT : KEY WEST WASTE STATION

Samples were analyzed in accordance with the Interim Method as described in 40 CFR, Part 763, Vol. 52, No. 210

WORK ORDER NUMBER: M103148

ID#	ANA	DESCRIPTION	LOCATION	SAMPLE NUMBER	PERCENT ASBESTOS FIBERS CHRY	AMOS	CROC	TREM	ANTH	OTHER	%NON-ASB FIBERS
01A	KIA	BLACK GASKET	R.R. BLDG	022411HA21	NO ASBESTOS DETECTED						1-2
01B	KIA	BLACK GASKET	R.R. BLDG	022411HA22	NO ASBESTOS DETECTED						5-10
02A	KIA	WHITE HVAC MASTIC	R.R. BLDG	022411HA23	NO ASBESTOS DETECTED						1-2
03A	KIA	WHITE PIPE MASTIC	R.R. BLDG	022411HA24	NO ASBESTOS DETECTED						1-2
04A	KIA	WHITE 2'X4' DOT FURROW CT	R.R. BLDG	022411HA26	NO ASBESTOS DETECTED						60-70
04B	KIA	WHITE 2'X4' DOT FURROW CT	R.R. BLDG	022411HA27	NO ASBESTOS DETECTED						60-70
05A	KIA	BLUE 12"X12" VFT & GLUE	R.R. BLDG	022411HA28	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
05B	KIA	BLUE 12"X12" VFT & GLUE	R.R. BLDG	022411HA29	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
06A	KIA	BEIGE VFT & YELLOW GLUE	R.R. BLDG	022411HA29A	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
07A	KIA	BLACK ROOF EDGE FLASHING	INCINERATOR BLDG	022411HA30	NO ASBESTOS DETECTED						1-2
08A	KIA	GREY SEAM CAULKING	INCINERATOR BLDG	022411HA31	NO ASBESTOS DETECTED						1-2

Report Continued on Next Page

CLIENT : CH2M HILL
PROJECT : KEY WEST WASTE STATION

LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

WORK ORDER NUMBER: M103148

ID#	ANA	DESCRIPTION	LOCATION	SAMPLE NUMBER	PERCENT ASBESTOS FIBERS CHRY	AMOS	CROC	TREM	ANTH	OTHER	%NON-ASB FIBERS
09A	KIA	WHITE 12"X12" VFT	MODULAR TRAILER	022411HA32	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
10A	KIA	WH CEILING TEXTURED FINISH	MODULAR TRAILER	022411HA33	NO ASBESTOS DETECTED						1-2
11A	KIA	WHITE DRYWALL SYSTEM	MODULAR TRAILER	022411HA34	NO ASBESTOS DETECTED						10-15
* Comments:		NO JOINT COMPOUND PRESENT									
12A	KIA	GREY WINDOW CAULKING	MODULAR TRAILER	022411HA35	NO ASBESTOS DETECTED						1-2
13A	KIA	SILVER FOIL & YELLOW FBGL	COOLING TWR BLDG	022411HA36	NO ASBESTOS DETECTED						50-55
14A	KIA	BLACK GASKET	COOLING TWR BLDG	022411HA37	NO ASBESTOS DETECTED						1-2
15A	KIA	BLACK ROOF MEMBRANE	ELECTRICAL BLDG	022411HA38	NO ASBESTOS DETECTED						1-2
16A	KIA	GREY EXTERIOR STUCCO	ELECTRICAL BLDG	022411HA39	NO ASBESTOS DETECTED						1-2
17A	KIA	GREY CONCRETE-FLOOR	TIPPING AREA	022411HA40	NO ASBESTOS DETECTED						1-2
17B	KIA	GREY CONCRETE-FLOOR	TIPPING AREA	022411HA41	NO ASBESTOS DETECTED						1-2
18A	KIA	GREY CONCRETE-WALLS	TIPPING AREA	022411HA42	NO ASBESTOS DETECTED						1-2
18B	KIA	GREY CONCRETE-WALLS	TIPPING AREA	022411HA43	NO ASBESTOS DETECTED						1-2
19A	KIA	BLACK METAL SEALANT	SCALE HOUSE	022411HA47	NO ASBESTOS DETECTED						1-2
20A	KIA	WHITE POPCORN FINISH	SCALE HOUSE	022411HA48	NO ASBESTOS DETECTED						1-2

Report Continued on Next Page

CLIENT : CH2M HILL
PROJECT : KEY WEST WASTE STATION

LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

WORK ORDER NUMBER: M103148

ID#	ANA	DESCRIPTION	LOCATION	SAMPLE NUMBER	PERCENT ASBESTOS FIBERS CHRY	AMOS	CROC	TREM	ANTH	OTHER	%NON-ASB FIBERS
21A	KIA	WHITE LINOLEUM	SCALE HOUSE	022411HA49	NO ASBESTOS DETECTED						15-20
22A	KIA	GREY CONCRETE SLAB	SCALE HOUSE	022411HA50	NO ASBESTOS DETECTED						1-2
22B	KIA	GREY CONCRETE SLAB	SCALE HOUSE	022411HA51	NO ASBESTOS DETECTED						1-2
23A	KIA	WHITE CAULKING ON METAL	SCALE HOUSE	022411HA52	NO ASBESTOS DETECTED						1-2
24A	KIA	WHITE 12"X12" VFT	ASH TRANSFER BLD	022411HA53	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
25A	KIA	BLUE 12"X12" VFT & GLUE	ASH TRANSFER BLD	022411HA53A	NO ASBESTOS DETECTED						1-2
* Comments:					NO ASBESTOS DETECTED IN YELLOW GLUE						
26A	KIA	GREY CONCRETE WALL	ASH TRANSFER BLD	022411HA54	NO ASBESTOS DETECTED						1-2
26B	KIA	GREY CONCRETE WALL	ASH TRANSFER BLD	022411HA55	NO ASBESTOS DETECTED						1-2
27A	KIA	GREY CONCRETE WALL	ASH TRANSFER PNT	022411HA56	NO ASBESTOS DETECTED						1-2
28A	KIA	GREY CONCRETE SLAB	ASH TRANSFER PNT	022411HA57	NO ASBESTOS DETECTED						1-2
29A	KIA	GREY CONCRETE WALL	ASH TRANSFER PNT	022411HA58	NO ASBESTOS DETECTED						1-2
30A	KIA	WHITE HVAC MASTIC	ASH TRANSFER PNT	022411HA59	NO ASBESTOS DETECTED						1-2
31A	KIA	GREY CONCRETE SLAB	ASH TRANSFER PNT	022411HA60	NO ASBESTOS DETECTED						1-2
32A	KIA	GREY CONCRETE SLAB	ELECTRICAL BLDG	022411HA61	NO ASBESTOS DETECTED						1-2

Report Continued on Next Page

CLIENT : CH2M HILL
PROJECT : KEY WEST WASTE STATION

LABORATORY BULK SAMPLE ANALYSIS REPORT CONTINUED

WORK ORDER NUMBER: M103148

ID#	ANA	DESCRIPTION	LOCATION	SAMPLE NUMBER	PERCENT ASBESTOS FIBERS CHRY	AMOS	CROC	TREM	ANTH	OTHER	%NON-ASB FIBERS
32B	KIA	GREY CONCRETE SLAB	MISC. BLDG	022411HA62	NO ASBESTOS DETECTED						1-2
32C	KIA	GREY CONCRETE SLAB	R.R. BLDG	022411HA63	NO ASBESTOS DETECTED						1-2
32D	KIA	GREY CONCRETE SLAB	R.R. BLDG	022411HA64	NO ASBESTOS DETECTED						1-2
32E	KIA	GREY CONCRETE SLAB	R.R. BLDG	022411HA65	NO ASBESTOS DETECTED						1-2

QC ACCEPTABLE
MAR - 9 2011

Quality Control Officer

Analytical results pertain only to the sample(s) analyzed.

ABBREVIATIONS: ANA = Analyst; ASB = Asbestos; CHRY = Chrysotile; AMOS = Amosite; CROC = Crocidolite; TERM = Term/Act; ANTH = Anthophylite; ACT = Actinolite; AL = Aluminum; ANTH = Anthophylite; BLK = Black; BACK = Backing; BL = Blue; BRN = Brown; C = Cellulose; CALC = Calcareous; CPT = Carpet; CTL = Ceiling tile; CEM = Cement; COV = Cover; DEB = Debris; FG = Fiberglass; FIB = Fibrous, fibers; MAS = Mastic; MAT = Material; MIC = Micaceous; MW = Mineral wool; ORG = Orange; PAI = Paint; PAP = Paper; PL = Plaster; PLAS = Plastic; PWDR = Powder; RCF = Refractory ceramic fiber; RUB = Rubber; SIL = Silver; SR = Sheet rock; SUB = Substance; S = Synthetic; TEXT = Textured; TR = Trace; TRAN = Transite; TREM = Tremolite; VERM = Vermiculite; VYL = Vinyl; W = Wollastonite; WH = White; YEL = Yellow.

M103148

EE&G

CONTINUATION OF BULK TRANSMITTAL FORM CHAIN OF CUSTODY

PROJECT NUMBER: 2010-2498

SAMPLE PREFIX _____

BILL GROUP/PHASE: CH2M Hill

	SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
21.	022411HA21	Black	Gasket	R.R. Bldg.
22.	22	↓	↓	↓
23.	23	White	HVAC Mastic	↓
24.	24	↓	pipe ↓	↓
25.	25	↓	NO sample	↓
26.	26	↓	2x4' dot Furrow Ct	↓
27.	27	↓	↓	↓
28.	28	Blue	12" VFt + glue	↓
29.	29	↓	↓	↓
30.	30	Black	Roof edge flashing	Incinerator Bldg.
31.	31	Grey	Seam caulking	↓
32.	32	White	12" VFt	Modular/Green trailer
33.	33	↓	Ceiling textured finish	↓
34.	34	↓	DWS	↓
35.	35	Grey	Window Caulking	↓
36.	36	Silver/yellow	aluminum foil + yellow F.	Cooling Tower Bldg.
37.	37	Black	Gasket	↓
38.	38	↓	Roof membrane	Electrical Bldg
39.	39	Grey	Ext. Stucco	↓
40.	40	↓	Concrete - Floor	Tipping Area
41.	41	↓	↓	↓
42.	42	↓	Concret - Walls	↓
43.	43	↓	↓	↓
44.	44	Grey	Concrete - slab	Scale House
45.	45	↓	↓	↓
46.	46	White	Caulking on metal	↓
47.	47	Black	Metal Sealant	↓
48.	48	White	Popcorn finish	↓
49.	49	↓	Linoleum	↓
50.	50	Grey	Concret Slab	↓
51.	51	↓	↓	↓
52.	52	White	Caulking on metal	↓
53.	53	Blue	12" VFt	Ash Transfer Bldg
54.	54	Grey	Concret Wall	↓
55.	55	↓	↓ Wall	↓

layered

Missing

layered

CHAIN OF CUSTODY:

DATE/TIME	PRINT NAME/SIGNATURE	PURPOSE
2-24-11	H. Aguiar [signature]	C T A
		C T A
		C T A

RECEIVED MAR - 1 2011 [signature]

C= Collection T= Transportation A= Analysis

M103148

EE&G

CONTINUATION OF BULK TRANSMITTAL FORM CHAIN OF CUSTODY

PROJECT NUMBER: 2010-2498

SAMPLE PREFIX _____

BILL GROUP/PHASE: CH2M Hill

SAMPLE NUMBER	COLOR	SAMPLE DESCRIPTION	SAMPLE LOCATION
21. 022411 HA56	Gray	Concrete wall	Ash Transfer Plant
22. 57	↓	slab	↓
23. 58	↓	wall	↓
24. 59	white	HVAC Mastic	↓
25. 60	Gray	Conc. slab	↓
26. 61	↓	↓	Electrical Bldg
27. 62	↓	↓	Misc. Bldg
28. 63	↓	↓	R.R. Bldg
29. 64	↓	↓	↓
30. 65	↓	↓	↓
31.			
32.			
33.			
34.			
35.			
36.			
37.			
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48.			
49.			
50.			
51.			
52.			
53.			
54.			
55.			

CHAIN OF CUSTODY:

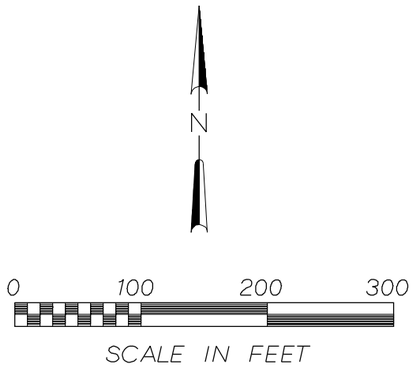
DATE/TIME	PRINT NAME/SIGNATURE	PURPOSE
2-24-11	[signature]	C T A
		C T A
		C T A

RECEIVED MAR - 1 2011

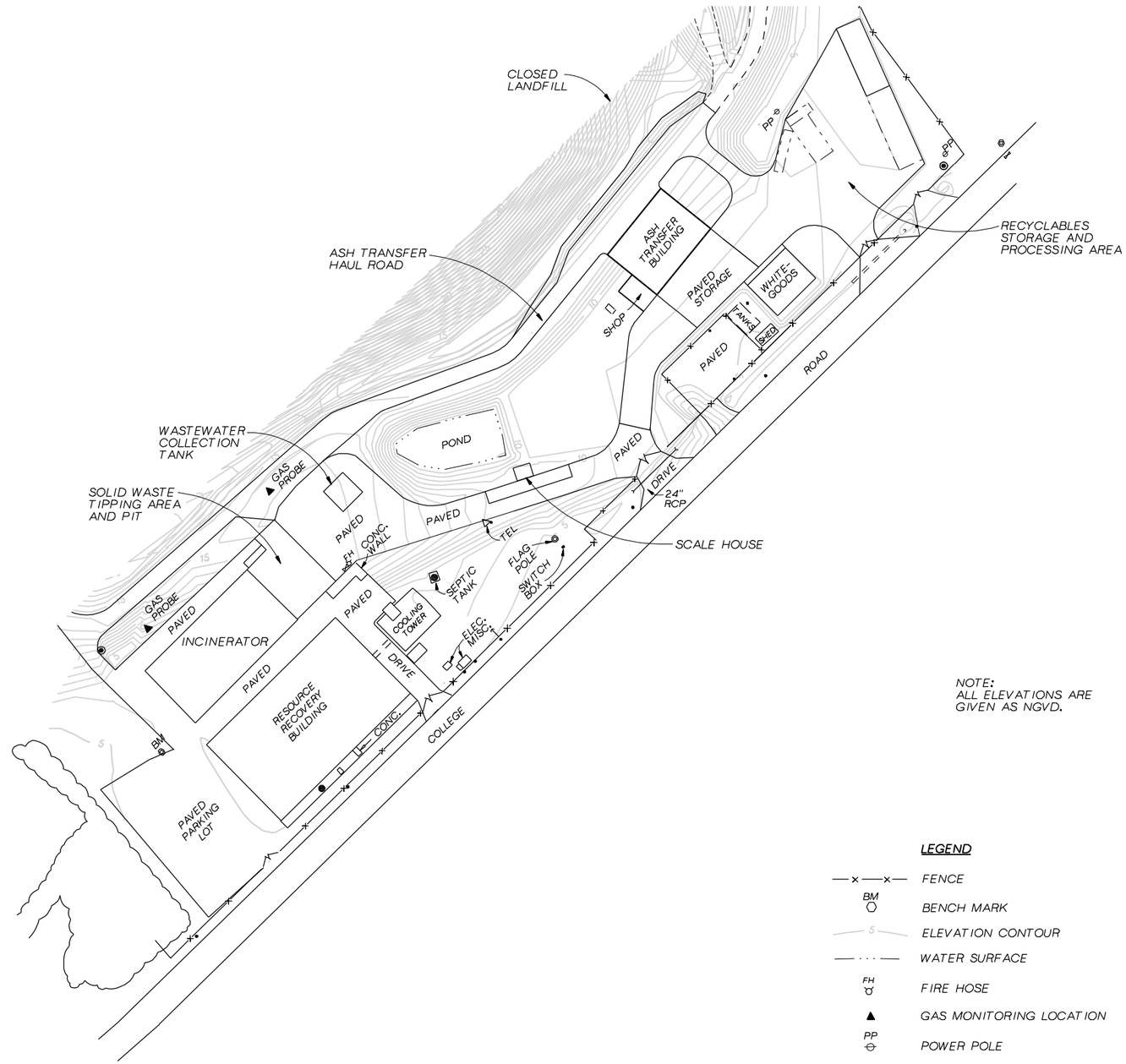
C= Collection T= Transportation A= Analysis

APPENDIX C

FIGURES



322'-8 3/8"



NOTE:
ALL ELEVATIONS ARE GIVEN AS NGVD.

LEGEND

—×—×—	FENCE
BM ○	BENCH MARK
5	ELEVATION CONTOUR
—···—	WATER SURFACE
FH ○	FIRE HOSE
▲	GAS MONITORING LOCATION
PP ⊖	POWER POLE

CH2M HILL KEY WEST OFFICE
6410 5th ST. SUIT 2-A
KEY WEST, FLORIDA

CH2M HILL

DSGN	N. WOODS
DR	9163F001.DGN O. KLEIN
CHK	K. WILLIAMS
APVD	J. WOODS

NO.	DATE	REVISION	BY	APVD

REUSE OF DOCUMENTS

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©CH2M HILL

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CITY OF KEY WEST
SOUTHERNMOST WASTE TO ENERGY FACILITY
INCINERATOR AND ASH TRANSFER FACILITIES

FIGURE D-4
SITE PLAN

SHEET	1
DWG NO.	
DATE	NOV. 1997
PROJ NO.	139163.PM

139163.PM 9163f001.dgn 11-NOV-1997

APPENDIX D

INSPECTION PHOTOGRAPHS

Photo 1: Resource Recovery building.

Photo 2: Interior view of the Resource Recovery building.

Photo 3: Typical nonACM 2'x4' ceiling tile sampled during this inspection.

Photo 4: Typical nonACM white roll insulation sampled during this inspection.

Photo 5: Typical nonACM white HVAC duct mastic sampled during this inspection.

Photo 6: NonACM white metal pipe mastic sampled during this inspection.

Photo 7: Typical nonACM 12”x12” blue VFT with glue sampled during this inspection.

Photo 8: Typical nonACM pipe insulation sampled during this inspection.

Photo 9: Typical nonACM white pipe insulation debris sampled during this inspection.

Photo 10: NonACM white generator muffler exhaust insulation sampled during this inspection.

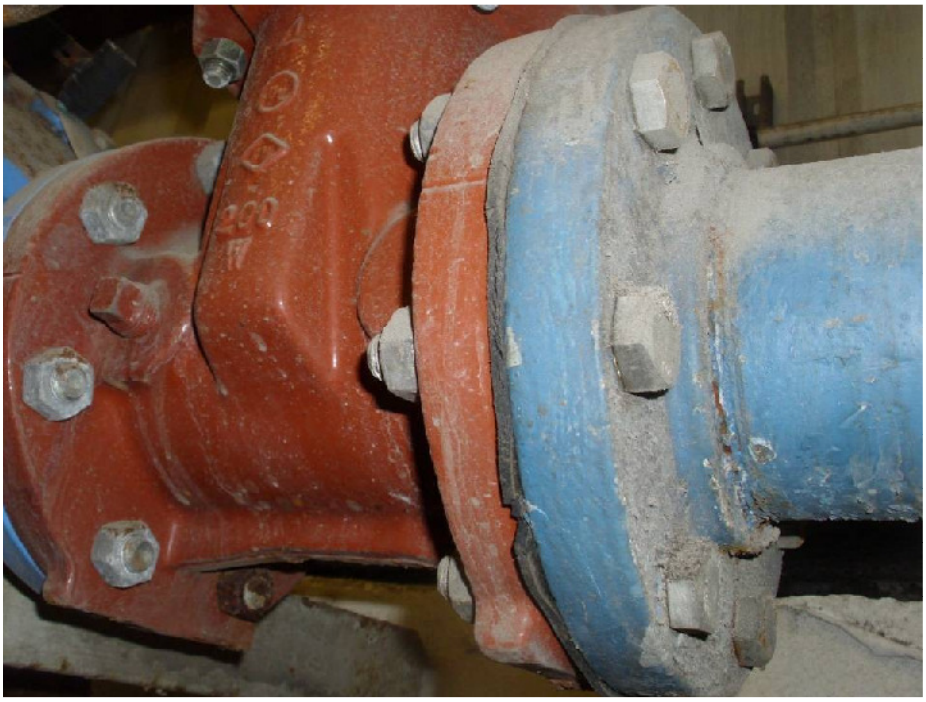

Photo 11: NonACM black gasket sampled during this inspection.

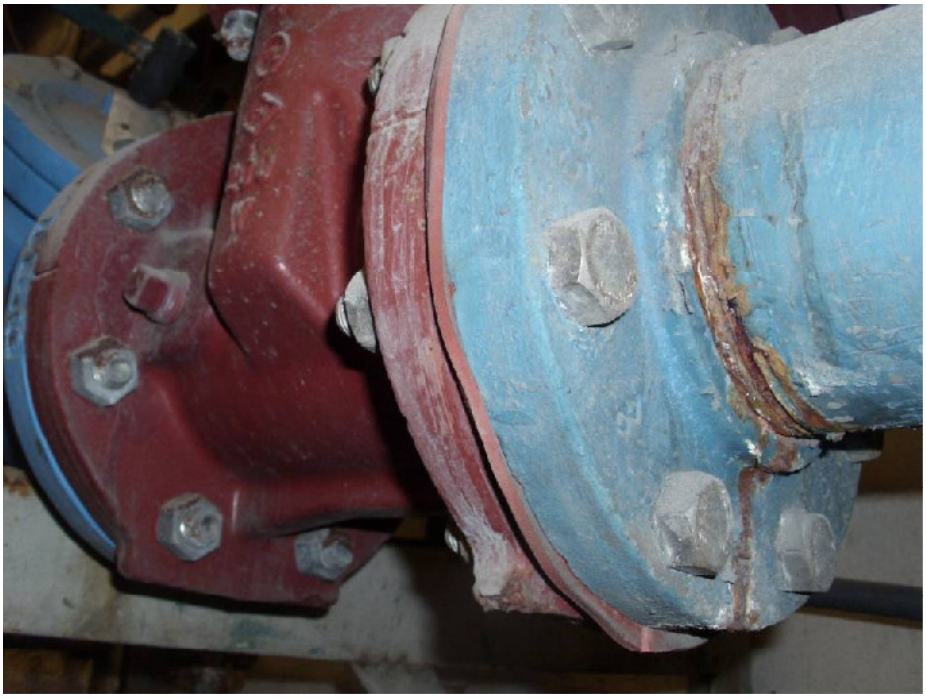

Photo 12: NonACM red gasket sampled during this inspection.

Photo 13: Typical nonACM pipe insulation sampled during this inspection.

Photo 14: Green modular inside Resource Recovery building inspected for ACM.

Photo 15: NonACM white 12”x12” VFT sampled during this inspection.

Photo 16: Cooling Tower building inspected for ACM during this inspection.

Photo 17: Ash building inspected for ACM during this inspection.

Photo 18: Typical interior view of the Ash building.

Photo 19: NonACM roof edge flashing sampled at the Ash building during this inspection.

Photo 20: Fire Equipment shed inspected for ACM during this inspection.

Photo 21: Tipping Area inspected for ACM during this inspection.

Photo 22: Ash Transfer building inspected for ACM during this inspection.

Photo 23: Scale House inspected for ACM during this inspection.

APPENDIX E

CERTIFICATES

M·E·T·A

Mayhew Environmental Training Associates

INCORPORATED

Certificate # 7ME04231001AIR0004

This is to certify that

Hiram Aquiar

has on 4/23/10, in Miami Lakes, FL
completed the requirements for asbestos accreditation under Section 206 of TSCA Title II, 15 U.S.C. 2646

AHERA Asbestos Building Inspector Refresher Course

as approved by the State of Florida and the U.S.E.PA. under 40 C.F.R. 763 (AHERA)
on 4/23/10 - 4/23/10 and passed the associated examination on 4/23/10
with a score of 70% or better
CM = 0.5

KANSAS MAYHEW EST. 1985 INC. 1987 ENVIRONMENTAL TRAINING ASSOCIATES SAFETY IN GOD ALONE

Provider #: FL49-0001221
Course #: FL49-0004718

Soc. Sec #: XXX-XX-9801
Accreditation Expires: 4/23/11

Instructor
Robert Brooks

President
Thomas Bradford Mayhew

M E T A - P.O. Box 786 - Lawrence KS 66044 - 800-444-6382

AC# 5227070

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

SEQ# L10092501299

DATE	BATCH NUMBER	LICENSE NBR
09/25/2010	100120327	DD0000010

The ASBESTOS CONSULTANT
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2012

COTTRELL, DANIEL JOSEPH
6367 SW 44 ST
MIAMI FL 33155-5142

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLIE LIEM
SECRETARY

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101775-0

American Asbestos Laboratories, Inc.

Tampa, FL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2010-04-01 through 2011-03-31

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology